

# BAM-1020 Audit Sheet

Model: **BAM-1020**

Serial Number: **T21292**

Audit Date: **6-13-2016**

Audited By: **M. Hiers**

Flow Audits			
Flow Reference Standard Used:	Model: <b>Do Ha Cal 1</b>	Serial No: <b>146294</b>	Calibration Date: <b>1-15-2016</b>
Temperature Standard Used:	Model: <b>" "</b>	Serial No: <b>" "</b>	Calibration Date: <b>" "</b>
Barometric Pressure Standard Used:	Model: <b>" "</b>	Serial No: <b>" "</b>	Calibration Date: <b>" "</b>

Leak Check Value:	as found: <b>0.6</b> lpm	as left: <b>0.5</b> lpm	
Ambient Temperature:	as found: <b>26.4</b> C	as left: <b>26.7</b> C	N/A <input type="checkbox"/>
Barometric Pressure:	as found: <b>749</b> mmHg	as left: <b>747</b> mmHg	N/A <input type="checkbox"/>
Flow Rate (Actual Volumetric):	as found: <b>16.7</b> lpm	as left: <b>16.7</b> lpm	N/A <input type="checkbox"/>
Flow Rate (EPA Standard):	as found: <b>16.3</b> slpm	as left: <b>16.3</b> slpm	N/A <input type="checkbox"/>

Mechanical Audits			
Pump muffler unclogged:	as found <input checked="" type="checkbox"/>	as left <input checked="" type="checkbox"/>	PM10 particle trap clean: as found <input checked="" type="checkbox"/> as left <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
Sample nozzle clean:	as found <input checked="" type="checkbox"/>	as left <input checked="" type="checkbox"/>	PM10 drip jar empty: as found <input checked="" type="checkbox"/> as left <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
Tape support vane clean:	as found <input checked="" type="checkbox"/>	as left <input checked="" type="checkbox"/>	PM10 bug screen clear: as found <input checked="" type="checkbox"/> as left <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
Capstan shaft clean:	as found <input checked="" type="checkbox"/>	as left <input checked="" type="checkbox"/>	PM2.5 particle trap clean: as found <input checked="" type="checkbox"/> as left <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/>
Rubber pinch rollers clean:	as found <input checked="" type="checkbox"/>	as left <input checked="" type="checkbox"/>	Inlet tube water-tight seal OK: as found <input checked="" type="checkbox"/> as left <input checked="" type="checkbox"/>
Chassis ground wire installed:	as found <input checked="" type="checkbox"/>	as left <input checked="" type="checkbox"/>	Inlet tube perpendicular to BAM: as found <input checked="" type="checkbox"/> as left <input checked="" type="checkbox"/>

Analog Voltage Output Audit			N/A <input checked="" type="checkbox"/>
DAC Test Screen	BAM Voltage Output	Logger Voltage Input	
0.000 Volts	Volts	Volts	
0.500 Volts	Volts	Volts	
1.000 Volts	Volts	Volts	

Membrane Audit	
LAST m (mg):	
ABS (mg):	
Difference (mg):	
% Difference:	

Flow Control Range	
Flow Setpoint	BAM Flow
15.0 LPM	<b>15.0</b>
16.7 LPM	<b>16.7</b>
18.4 LPM	<b>18.4</b>

Setup and Calibration Values								
Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock Time/Date	<b>10:40/6/13</b>	<b>10:40/6/13</b>	FLOW TYPE	<b>Actual</b>	<b>Actual</b>	AP	<b>150</b>	<b>150</b>
RS232 baud	<b>9600</b>	<b>9600</b>	Cv	<b>0.992</b>	<b>0.992</b>	FRI	<b>10</b>	<b>10</b>
STATION #	<b>001</b>	<b>001</b>	Qo	<b>0.000</b>	<b>0.000</b>	FRh	<b>20</b>	<b>20</b>
RANGE	<b>2.000mg</b>	<b>2.000mg</b>	ABS	<b>0.781</b>	<b>0.781</b>	Password	<b>1-2-3-4</b>	<b>1-2-3-4</b>
BAM SAMPLE	<b>050</b>	<b>050</b>	μ sw	<b>0.311</b>	<b>0.311</b>	Cycle Mode	<b>Std</b>	<b>Std</b>
MET SAMPLE	<b>60</b>	<b>60</b>	K Factor	<b>0.987</b>	<b>0.987</b>	RH Control	<b>Yes</b>	<b>Yes</b>
OFFSET	<b>-0.015</b>	<b>-0.015</b>	BKGD	<b>-0.0061</b>	<b>-0.0061</b>	RH Setpoint	<b>35%</b>	<b>35%</b>
CONC UNITS	<b>mg/m<sup>3</sup></b>	<b>mg/m<sup>3</sup></b>	STD TEMP	<b>25</b>	<b>25</b>	Datalog RH	<b>Yes</b>	<b>Yes</b>
COUNT TIME	<b>4</b>	<b>4</b>	HEATER	<b>Auto</b>	<b>Auto</b>	Delta-T Control	<b>No</b>	<b>No</b>
FLOW RATE	<b>16.7</b>	<b>16.7</b>	eI	<b>-0.015</b>	<b>-0.015</b>	Delta-T Setpoint	<b>99C</b>	<b>99C</b>
CONC TYPE	<b>STD</b>	<b>STD</b>	Errors	<b>0N</b>	<b>0N</b>	Datalog Delta-T	<b>No</b>	<b>1/0</b>

Last 6 Errors in BAM-1020 Error Log					
Error	Date	Time	Error	Date	Time
1			4		
2			5		
3			6		

Audit Notes: